

ABSTRACT OF THE DISCLOSURE

An exhaust gas purifying system for an internal combustion engine is arranged to determine a recovery execution timing for recovery processing of recovering an exhaust gas purifying device such as a particulate filter and a NOx trap catalyst from a specific content stacked state, to determine a target air/fuel ratio for executing the recovery processing, to determine a first engine controlled variable relating to an air/fuel ratio on the basis of the target air/fuel ratio, and to determine a second engine controlled variable relating to a combustion period at a value different from a value employed during normal processing when the recovery processing is executed.